

ABSTRACT

~~The present invention discloses a~~ A safety syringe and aims to provide has a simple structure, is convenient to use, and has a low ~~[[cost,]] cost.~~ ~~and to make the~~ syringe ~~have needle protection functionality and become auto-disable.~~ The present ~~invention~~ safety syringe includes a sliding casing, a needle, a syringe barrel, a piston, a latching casing, a spring and a plunger inside the syringe ~~barrel,~~ barrel.

~~the present invention~~ The safety syringe can be easily used to carry out an injection and ~~to initiate its~~ has a safety mechanism ~~[[by]]~~ that can be actuated using a single hand. The sliding casing can be automatically positioned and locked in two ~~directions;~~ directions. This design guarantees that, during processing of the syringe after it is used, the ~~pinhead~~ needle's point is always protected by the sliding ~~easing;~~ casing. The ~~present invention~~ safety syringe is also ~~has a reliable~~ function of auto-locking; ~~Therefore, once the syringe is~~ after it has been used, the plunger ~~has been~~ is locked in the syringe barrel and cannot be pulled out any ~~longer;~~ longer. Any attempt to use the syringe again will cause the plunger to be broken and the syringe to be damaged, thus ensuring a one-time use.